

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by:

Min Wang

GENERAL INFORMATION:

Name: Martin County Coal Corporation
Address: P.O. Box 5002, Inez, Kentucky 41224
Date application received: 3/21/2002
SIC 1221
Source ID #: 21-159-00002
Source A.I. #: 2984
Activity #: APE20040001
Permit number: V-06-043

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major (for HAPs)
__Administrative	<input checked="" type="checkbox"/> Title V (for Crit. Poll.)
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

☐ Acid rain source
☐ Source subject to 112(r)
☐ Source applied for federally enforceable emissions cap
☐ Source provided terms for alternative operating scenarios
☐ Source subject to a MACT standard
☐ Source requested case-by-case 112(g) or (j) determination
☐ Application proposes new control technology
☒ Certified by responsible official
☐ Diagrams or drawings included
☐ Confidential business information (CBI) submitted in application
☐ Pollution Prevention Measures
☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential* (tpy)
PM/PM ₁₀	78.13/33.55	894.44/533.14
SO ₂	86.08	1647.01
NO _x	49.67	1058.08
CO	0.51	13.14
VOCs	12.45	185.93
Individual HAPs > 10 tpy Combined HAPs > 25 tpy	None	None

* Wet suppression, partial or full enclosure are enforced by the permit for the fugitive emissions, and the permit enforces wet scrubber control for thermal dryer as well. Therefore, the potential to emit of PM/PM₁₀ is the same as after-control emission. There is no control for emissions of SO₂, NO_x, CO, and VOCs.

SOURCE PROCESS DESCRIPTION:

Martin County Coal Corporation is an underground coal mining company and this permit is for the surface coal preparation. The coal preparation plant has 1 Receiving Hopper (EP3, 800 tons/hr), 2 Primary Crushers (EP6 & 12, 500 tons/hr each), 21 Conveyor Transfer Points (EP1 & 2, 1200 tons/hr each; EP 4, 5, 11, 13-15, 22, 27, 32, 800 tons/hr each; EP 7-9, 16, 20, 1500 tons/hr each; EP 18 & 19, 650 tons/hr each; EP 29&30, 2800 tons/hr each), 3 Open Stockpiles (EP10, 17, & 28, 800 tons/hr each), 1 Rail Loadout (EP31, 2800 tons/hr), 1 Truck Loadout (EP23, 800 tons/hr), 1 Truck Dump (EP26, 800 tons/hr), 1 Thermal Dryer (EP24 & 25, 421 tons/hr for coal dried and 5 tons/hr for coal burned), and the other operations, such as Enclosed Preparation Plant (EP21) and Haul Roads (EP33-35). All processes described above were constructed in 1969.

Since Potential to Emit of criteria pollutants, such as PM, VOCs, SO_x, and NO_x, exceeds 100 TPY, Martin County Coal Corporation is a major source and title V permit is needed.

Initial Title V Permit – The initial permit, V-97-004, was issued to the source on July 25, 1997 for the operation of a source-wide processes.

EMISSION AND OPERATING CAPS DESCRIPTION:

EP24 & 25: Thermal Dryer listed under State Regulation 401 KAR 61:020, Existing Process Operations, applicable prior to July 2, 1975, have an opacity (any continuous emissions into the open

air shall not equal or exceed forty percent (40%) opacity based upon a six-minute average) and mass emission limits (particulate matter emissions into the open air shall not exceed 67.05 lbs/hour based upon a three-hour average) resulting from the application of this regulation. As a result, the equipment controlled by 401 KAR 61:020, Existing process operations, will be required to use a wet scrubber and be operated and maintained in accordance with the manufacturer's recommendations.